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PURPOSE: To obtain a catalyst which converts high concn. ammonia into nitrogen with high efficiency by supporting copper oxide and/or vanadium oxide on a carrier obtd. by depositing titania in the pores in alumina. CONSTITUTION: Titania is deposited in the pores in uniformly granulated alumina, e.g. by impregnating an aq. titanium salt soln. into the alumina to obtain a carrier. Copper oxide such as CuO or Cu(sub)2(end sub)O and/or vanadium oxide such as V(sub)2(end sub)O(sub)5(end sub) or V(sub)2(end sub) O(sub)4(end sub) is supported on the carrier. The resulting catalyst for oxidation decomposition of ammonia converts high concn. ammonia into nitrogen with high efficiency and controls the generation of NOx. COPYRIGHT: (C)1990,JPO&Japio

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